

AMENDMENTS TO THE CLAIMS

Claims 1 to 20 (Cancelled)

21. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence selected from the group consisting of:

(a) an isolated polynucleotide encoding a polypeptide comprising amino acids 1 to 506 of SEQ ID NO:2; and

(b) an isolated polynucleotide encoding a polypeptide comprising amino acids 2 to 506 of SEQ ID NO:2.

22. (New) The isolated nucleic acid molecule of claim 21, wherein said polynucleotide is (a).

23. (New) The isolated nucleic acid molecule of claim 22, wherein said polynucleotide comprises nucleotides 1 to 1518 of SEQ ID NO:1.

24. (New) The isolated nucleic acid molecule of claim 21, wherein said polynucleotide is (b).

25. (New) The isolated nucleic acid molecule of claim 24, wherein said polynucleotide comprises nucleotides 4 to 1518 of SEQ ID NO:1.

26. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 21.

27. (New) An isolated recombinant host cell comprising the vector sequence of Claim 26.

28. (New) A method of making an isolated polypeptide comprising:

(a) culturing the isolated recombinant host cell of Claim 27 under conditions such that said polypeptide is expressed; and

(b) recovering said polypeptide.

29. (New) The isolated polynucleotide of claim 21 wherein said nucleic acid sequence further comprises a heterologous nucleic acid sequence.

30. (New) The isolated polynucleotide of claim 31 wherein said heterologous nucleic acid sequence encodes a heterologous polypeptide.

31. (New) An isolated nucleic acid molecule comprising a polynucleotide having a nucleotide sequence that is at least 95.0% identical to a polynucleotide sequence provided in claim

21, wherein percent identity is calculated using a CLUSTALW global sequence alignment using default parameters.

32. (New) An isolated nucleic acid molecule comprising a polynucleotide that encodes a polypeptide that is at least 95.0% identical to SEQ ID NO:2, wherein percent identity is calculated using a CLUSTALW global sequence alignment using default parameters.

33. (New) An isolated polynucleotide encoding a polypeptide comprising at least 302 contiguous amino acids of SEQ ID NO:2.

34. (New) The isolated nucleic acid molecule of claim 35, wherein said polynucleotide comprises at least 906 contiguous nucleotides of SEQ ID NO:1.

35. (New) An isolated nucleic acid molecule comprising the cDNA clone contained in plasmid HBMYP2X7V AD3 in ATCC Deposit No. PTA-5898.

36. (New) An isolated polynucleotide which represents the complementary sequence of (a) or (b) of claim 21.

37. (Previously Presented) An isolated polynucleotide comprising a polynucleotide sequence encoding amino acids 1 to 302 of SEQ ID NO:2.

38. (Previously Presented) The isolated nucleic acid molecule of claim 38, wherein said polynucleotide comprises nucleotides 1 to 906 of SEQ ID NO:1.

39. (Previously Presented) An isolated polynucleotide comprising a polynucleotide sequence encoding amino acids 205 to 506 of SEQ ID NO:2.

40. (Previously Presented) The isolated nucleic acid molecule of claim 34, wherein said polynucleotide comprises nucleotides 613 to 1518 of SEQ ID NO:1.